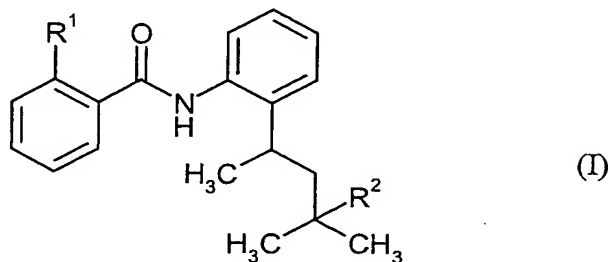


Patent claims

1. Phenylbenzamides of the formula (I)



5 in which

R^1 represents trifluoromethyl, chlorine, bromine or iodine and

R^2 represents hydrogen or methyl,

R^2 furthermore represents ethyl.

- 10 2. Phenylbenzamides of the formula (I) according to Claim 1 in which R^2 represents hydrogen.

3. Phenylbenzamides of the formula (I) according to Claim 1 selected from the following group

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N-[2-(1,3-dimethylbutyl)phenyl]-2-(trifluoromethyl)benzamide,

N-[2-(1,3-dimethylbutyl)phenyl]-2-chlorobenzamide,

N-[2-(1,3-dimethylbutyl)phenyl]-2-bromobenzamide,

N-[2-(1,3-dimethylbutyl)phenyl]-2-iodobenzamide,

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2-(trifluoromethyl)-*N*-[2-(1,3,3-trimethylbutyl)phenyl]benzamide,

2-chloro-*N*-[2-(1,3,3-trimethylbutyl)phenyl]benzamide,

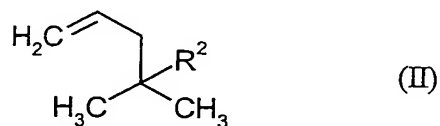
2-bromo-*N*-[2-(1,3,3-trimethylbutyl)phenyl]benzamide and

2-iodo-*N*-[2-(1,3,3-trimethylbutyl)phenyl]benzamide.

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4. Process for preparing phenylbenzamides of the formula (I) according to Claim 1, characterized in that

- a) in a first step, aniline is reacted with an alkene of the formula (II)

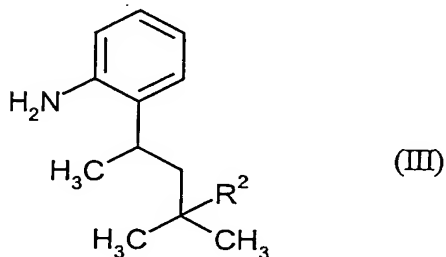


in which

R^2 represents hydrogen or methyl,

R^2 furthermore represents ethyl,

in the presence of a base and in the presence of a Lewis acid, and the resulting alkylphenylamine derivative of the formula (III)

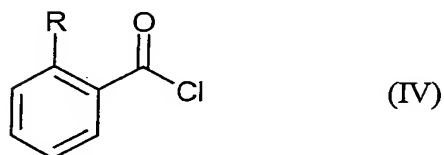


in which

R^2 represents hydrogen or methyl,

R^2 furthermore represents ethyl,

- b) is, in a second step reacted with a benzoyl chloride of the formula (IV)



in which

R^1 represents trifluoromethyl, chlorine, bromine or iodine,

if appropriate in the presence of an acid binder and if appropriate in the presence of a diluent.

5. Compositions for controlling unwanted microorganisms, characterized in that they comprise at least one phenylbenzamide of the formula (I) according to Claim 1, in addition to extenders and/or surfactants.

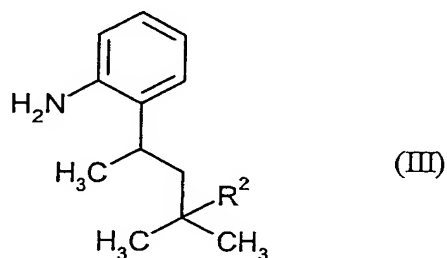
- 5 6. Use of phenylbenzamides of the formula (I) according to Claim 1 for controlling unwanted microorganisms.

7. Method for controlling unwanted microorganisms, characterized in that phenylbenzamides of the formula (I) according to Claim 1 are applied to the microorganisms and/or their habitat.

8. Process for preparing compositions for controlling unwanted microorganisms, characterized in that phenylbenzamides of the formula (I) according to Claim 1 are mixed with extenders and/or surfactants.

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9. Alkylphenylamine derivatives of the formula (III)



in which

R² represents hydrogen or methyl,

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R² furthermore represents ethyl.

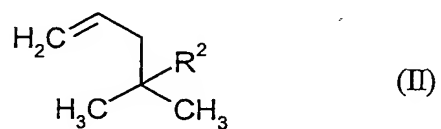
10. Alkylphenylamine derivatives of the formula (III) according to Claim 9 in which

R² represents hydrogen or methyl.

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11. Process for preparing phenylamine derivatives of the formula (III) according to Claim 9, characterized in that

aniline is reacted with an alkene of the formula (II)



in which

- 5 R^2 represents hydrogen or methyl,
 R^2 furthermore represents ethyl,

in the presence of a base and in the presence of a Lewis acid.